

IN THE CLAIMS

Please amend the claims as follows:

1. (original) A method of enhancing an audio signal, the method comprising the steps of:

[[-]] filtering the audio signal so as to select a frequency range, thereby forming a filtered audio signal;

[[-]] dividing the filtered audio signal of the selected frequency range into time segments, thereby forming filtered audio signal segments; and

[[-]] scaling each of the filtered audio signal segments in each time segment so as to increase the sound level of the filtered audio signal in said frequency range,

wherein the time segments are defined by zero crossings of the filtered audio signal.

2. (original) The method according toas claimed in claim 1, wherein each time segment is defined by two consecutive zero crossings of the filtered audio signal.

3. (currently amended) The method according toas claimed in claim 1, wherein the step of scaling the audio signal involves a distinct scaling factor for each time segment.

4. (currently amended) The method according toas claimed in claim 1, wherein the step of scaling involves a scaling factor which is constant for each time segment.

5. (currently amended) The method according toas claimed in claim 1, wherein the step of scaling involves a scaling factor which varies with the amplitude of the filtered audio signal.

6. (original) The method according toas claimed in claim 5, wherein the step of scaling involves a non-linear scaling factor, preferably involving a quadratic or cubic function.

7. (currently amended) The method according toas claimed in claim 1, wherein said method further comprising comprises the step of:
[[-]] combining the scaled filtered audio signal segments of the selected frequency range and the remained remainder of the audio signal of the previously not in the selected frequency range, thereby forming a combined audio signal.

8. (original) The method according toas claimed in claim 7, wherein said method further comprising comprises the step steps of:
[[-]] comparing the an amplitude of the combined audio signal with a threshold value, and
[[-]] adjusting the amplitude of the combined audio signal if the threshold is exceeded.

9. (original) The method according toas claimed in claim 8, wherein only the amplitude of the filtered audio signal of the selected frequency range is adjusted.

10. (currently amended) The method according toas claimed in claim 8, wherein the steps of comparing the amplitude of the combined audio signal and adjusting the amplitude of the combined audio signal is carried out per time segment.

11. (currently amended) The method according toas claimed in claim 1, wherein the selected frequency range is a bass frequency range.

12. (currently amended) The method according toas claimed in claim 1, wherein said method further comprisescomprising the further step of:

delaying any the signal components of the audio signal in other frequency ranges other than said selected frequency range.

13. (original) A device {1} for enhancing an audio signal, the device comprising:

[[-]] filter means {2} for filtering the audio signal so as to select a frequency range, thereby forming a filtered audio signal;

[[-]] dividing means {3} for dividing the filtered audio signal of the selected frequency range into time segments, thereby forming filtered audio signal segments; and

[[-]] scaling means (4) for scaling each of the filtered audio signal in each time segment so as to increase the sound level of the filtered audio signal in said frequency range, wherein the time segments are defined by zero crossings of the filtered audio signal.

14. (original) The device according toas claimed in claim 13, wherein the dividing means (3) are arranged for definingdefines each time segment by two consecutive zero crossings of the filtered audio signal.

15. (currently amended) The device according toas claimed in claim 13, wherein the scaling means are arranged for usinguses a distinct scaling factor for each time segment.

16. (currently amended) The device according toas claimed in claim 13, wherein the scaling means are arranged for usinguses a scaling factor which is constant for each time segment.

17. (currently amended) The device according toas claimed in claim 13, wherein the scaling means are arranged for usinguses a scaling factor which varies with the amplitude of the filtered audio signal.

18. (original) The device according toas claimed in claim 17, wherein the scaling means use-uses a non-linear scaling factor, preferably involving a quadratic or cubic function.

19. (currently amended) The device according toas claimed in claim 13, wherein said device further comprisingcomprises:
..... combining means {5} for combining the scaled filtered audio signal segments of the selected frequency range and the remained-remainder of the audio signal of the previously-not in the selected frequency range, thereby forming a combined audio signal.

20. (original) The device according toas claimed in claim 19, wherein said device further comprisingcomprises:
[[-]] comparing means {6} for comparing the amplitude of the combined audio signal with a threshold value, and
[[-]] adjusting means {7} for adjusting the amplitude of the combined audio signal if the threshold is exceeded.

21. (original) The device according toas claimed in claim 20, wherein the adjusting means {7} are arranged for adjustingadjusts only the amplitude of the filtered audio signal of the selected frequency range.

22. (currently amended) The device according toas claimed in claim 20, wherein the comparing means {6} and the adjusting means {7} are arranged for comparingcompares the amplitude of the

combined audio signal per time segment, and the adjusting means adjusts the amplitude of the combined audio signal per time segment, respectively.

23. (currently amended) The method according to device as claimed in claim 113, wherein the selected frequency range is a bass frequency range.

24. (currently amended) The device according to as claimed in claim 13, wherein said device further comprising comprises:
..... a delay element (+8) for delaying the signal components of the audio signal in other frequency ranges other than said selected frequency range.

25. (currently amended) An audio amplifier comprising a device (1) according to as claimed in claim 13.

26. (currently amended) An audio system comprising a device (1) according to as claimed in claim 13.

27. (currently amended) Computer A computer-readable medium having stored thereon a computer program product comprising code enabling a processor to execute the method of as claimed in claim 1.